

UNITED STATES DEPARTMENT OF STATE
BREAKDOWN OF PRICE BY DIVISIONS OF SPECIFICATIONS

1 DIVISION/DESCRIPTION	2 LABOR	3 MATERIALS	4 OVERHEAD	5 PROFIT	6 TOTAL
1. General Requirements/Mobilization					
2. Site Work					
3. Concrete					
4. Masonry					
5. Metals					
6. Wood and Plastic					
7. Thermal and Moisture					
8. Doors and Windows					
9. Finishes					
10. Specialties					
11. Equipment					
12. Furnishings					
13. Special Construction					
14. Conveying Systems					
15. Mechanical					
16. Electrical					
TOTAL					

Colombian Pesos

Allowance Items:

PROPOSAL PRICE TOTAL:

Alternates (list separately do not total)

Offeror:

Date



OFFICIAL BREAKDOWN CHART

PROJECT: MARITIME TRAINING ACADEMY

Place: ALMIRANTE PADILLA SCHOOL, CARTAGENA

Date:

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	SUB TOTAL	TOTAL COST BY CHAPTER
1	PRELIMINARY						\$ 0.00
1.01	PRELIMINARY WORKS					\$ 0.00	
1.01.01E	Camp site and bathrooms for workers and management staff, area = 30m2	GBL	1.00				
1.01.02E	Temporary closure polypropylene fabric h = 2.20 m	GBL	1.00				
1.01.03E	Location and layout	GBL	1.00				
1.02	PROVISIONALS					\$ 0.00	
1.02.01E	Provisionals for Water and Sewer	GBL	1.00				
1.02.02E	Provisional Energy Installation	GBL	1.00				
2	FOUNDATION						\$ 0.00
2.01	EXCAVATIONS, REPLACEMENTS AND STUFFED SCHOOL					\$ 0.00	
2.01.01E	Manual excavation for foundations, including load, withdrawal, racking, disposal and timbering.	GBL	1.00				
2.01.02E	Mechanical excavation in common material includes load, racking, retirement and paying fees for disposal.	GBL	1.00				
2.01.03E	Excavation piles (d = 40 cm incl. Excavation, loading and removal of leftovers, mobilization, installation and removal equipment).	GBL	1.00				
2.01.04E	Supply, spreading and compacting of granular filling material.	GBL	1.00				
2.02	CONCRETE FOUNDATION					\$ 0.00	
2.02.01E	Poor cleaning Concrete (f'c = 1,500 psi), thickness of 5 cm.	GBL	1.00				
2.02.02E	Dice in 4000 psi concrete.	GBL	1.00				
2.02.03E	Foundation beams in 4000 psi reinforced concrete	GBL	1.00				
2.02.04E	Subfloor joists in 4000 psi reinforced concrete	GBL	1.00				
2.02.05E	Concrete subfloor in 4000 psi concrete e = 0.05 m	GBL	1.00				
2.02.06E	4,000 psi waterproofed reinforced concrete for machine room	GBL	1.00				
2.02.07E	Piles D = 0.40 m, 24.5 Mpa. (d = 40 cm incl. Mobilization and dismantling equipment, concrete).	GBL	1.00				
2.03	FOUNDATION REINFORCEMENT STEEL					\$ 0.00	
2.03.01E	Reinforcement steel f'y = 4200 kg/cm2 (420Mpa) includes shaping, cut and installation (foundation beams, machine room, dice and piles)	GBL	1.00				
2.03.02E	Welded mesh f'y = 4.200 kg / cm 2 (500 MPa) for concrete slabs, slabs subfloor and machine room	GBL	1.00				
2.03.03E	Foundation slabs rebars (Grafiles 3,5 mm, 4 mm, 6 mm y 7,5 mm)	GBL	1.00				
3	STRUCTURE						\$ 0.00
3.01	BEAMS AND COLUMNS SCHOOL					\$ 0.00	
3.01.01E	Concrete square columns in 4000 psi; (finish in sight)	GBL	1.00				
3.01.02E	Circular concrete columns 4000 psi; (finish in sight)	GBL	1.00				
3.01.03E	Beams second floor in 4000 psi concrete	GBL	1.00				
3.01.04E	Joists and struts second floor in 4000 psi concrete	GBL	1.00				
3.01.05E	Beams and joists for roof covering in 4000 psi concrete	GBL	1.00				
3.01.06E	Concrete channel beam of 4000 psi.	GBL	1.00				
3.02	CONCRETE SLABS					\$ 0.00	

3.02.02E	Lightened concrete slab h = 0.35m,(without lower slab) in 4000 psi concrete, not including beams, joists and beams bracing.	GBL	1.00				
3.02.03E	Solid flat plate of 0.10 m of 4000 psi	GBL	1.00				
3.03	VARIOUS ELEMENTS IN CONCRETE					\$ 0.00	
3.03.01E	Solid aerial stairs in reinforced concrete of 4000 psi concrete finish in sight	GBL	1.00				
3.04	REINFORCEMENT STEEL					\$ 0.00	
3.04.01E	Reinforcement steel f _y = 4200 kg/cm ² (420Mpa) includes shaping, cut and installation (square columns)	GBL	1.00				
3.04.02E	Reinforcement steel f _y = 4200 kg/cm ² (420Mpa) includes shaping, cut and installation (Circular Columns)	GBL	1.00				
3.04.03E	Reinforcement steel f _y = 4200 kg/cm ² (420Mpa) (beams, joists and bracing beams, aerial beams and plates)	GBL	1.00				
3.04.04E	Reinforcement steel f _y = 4200 kg/cm ² (420Mpa) includes shaping, cut and installation (Stairs)	GBL	1.00				
3.04.05E	Welded mesh f _y = 4.200 kg / cm ²	GBL	1.00				
3.05	METALLIC STRUCTURES					\$ 0.00	
3.09.01E	Supply, manufacturing, transportation, assembly, primer and finish paint for marine environment for roof metallic structure	GBL	1.00				
4	MASONRY						\$ 0.00
4.01	MASONRY WALLS					\$ 0.00	
4.01.01E	Brick Wall in N. 5 20x 30x 12cm	GBL	1.00				
4.01.03E	Block walls type split (40x20x12cm), mortar with same block color, type M.1: 4 and striated board	GBL	1.00				
4.02	MASONRY REINFORCEMENT					\$ 0.00	
4.02.01E	Concrete small columns(Columneta) 10x20 w / confinement in concrete block masonry	GBL	1.00				
4.03	REINFORCEMENT STEEL					\$ 0.00	
4.03.01E	Reinforcement steel PDR-60 f _y = 4200 kg/cm ² (420mpa) (columnetas)	GBL	1.00				
5	PREFABRICATED AND NON STRUCTURAL ELEMENTS IN ARCHITECTURAL CONCRETE						\$ 0.00
5.01	NON STRUCTURAL ARCHITECTURAL CONCRETE, FINISH IN SIGHT					\$ 0.00	
5.01.01E	Cover walls in concrete, slope of 1%	GBL	1.00				
5.01.02E	Frame 3500 psi reinforced concrete (finish in sight)	GBL	1.00				
5.01.03E	Lintel plate E = 0.12 m	GBL	1.00				
5.01.04A	Reinforced concrete lintel in 4000 psi	GBL	1.00				
5.02	REINFORCING STEEL PDR-60 f_y = 4200 kg/cm² (420 MPa) FOR SCHOOL					\$ 0.00	
5.02.01E	Reinforcement Steel PDR-60 f _y = 4200 kg/cm ² (420 MPa) includes, shaping, cutting, installation	GBL	1.00				

6	PLUMBING						\$ 0.00
6.01	COLD WATER INTERIOR NETWORK					\$ 0.00	
6.01.01E	Piping PVCP1 1/4"	GBL	1.00				
6.01.02E	Accessories PVCP 1-1/4"	GBL	1.00				
6.01.03E	Piping PVCP1"	GBL	1.00				
6.01.04E	Accessories PVCP1"	GBL	1.00				
6.01.05E	Piping PVCP3/4"	GBL	1.00				
6.01.06E	Accessories PVCP3/4"	GBL	1.00				
6.01.07E	Piping PVCP1/2"	GBL	1.00				
6.01.08E	Accessories PVCP1/2"	GBL	1.00				
6.02	HOT WATER INTERIOR NETWORK					\$ 0.00	
6.02.01E	Piping CPVC3/4"	GBL	1.00				
6.02.02E	Accessories CPVC3/4"	GBL	1.00				
6.02.03E	Piping CPVC1/2"	GBL	1.00				
6.02.04E	Accessories CPVC1/2"	GBL	1.00				
6.02.05E	Cut-off valve	GBL	1.00				
6.02.06E	Box to cut-off valve	GBL	1.00				
6.03	COLD WATER POINT					\$ 0.00	
6.03.01E	Sink 1/2"	GBL	1.00				
6.03.02E	Tank toilets 1/2"	GBL	1.00				
6.03.03E	Urinals	GBL	1.00				
6.03.04E	Cleaning sink 1/2"	GBL	1.00				
6.03.05E	Dishwasher 1/2"	GBL	1.00				
6.05	SANITARY OUTLETS					\$ 0.00	
6.05.01E	Sink 2"	GBL	1.00				
6.05.02E	Tank toilets 4"	GBL	1.00				
6.05.03E	Urinals	GBL	1.00				
6.05.04E	Cleaning sink 2"	GBL	1.00				
6.05.05E	Dishwasher 2"	GBL	1.00				
6.05.06E	Floor trap 2 "(includes aluminum grille with sosco 2x3)	GBL	1.00				
6.05.07E	4" sanitary flange for toilet installation	GBL	1.00				
6.06	SEWAGE DRAINAGE SYSTEM					\$ 0.00	
6.06.01E	Piping pvcs 4"	GBL	1.00				
6.06.02E	Accessories pvcs 4"	GBL	1.00				
6.06.03E	Piping pvcs 2"	GBL	1.00				
6.06.04E	Accessories pvcs 2"	GBL	1.00				
6.07	SEWAGE DOWNSPOUTS					\$ 0.00	
6.07.01E	Piping pvcs 4"	GBL	1.00				
6.07.02E	Accessories pvcs 4"	GBL	1.00				
6.07.03E	Piping pvcs 2"	GBL	1.00				
6.07.04E	Accessories pvcs 2"	GBL	1.00				
6.07.05E	Fixings 4"	GBL	1.00				
6.07.06E	Fixings 2"	GBL	1.00				
6.08	RAIN WATER DOWNSPOUTS					\$ 0.00	
6.08.01E	Piping pvcs 4"	GBL	1.00				
6.08.02E	Accessories pvcs 4"	GBL	1.00				
6.08.03E	Fixings 4"	GBL	1.00				
6.09	SEWAGE DRAINAGE NETWORK					\$ 0.00	

6.09.01E	Novafort pvc Pipe 6 "	GBL	1.00				
6.09.02E	Accessories pvc Novafort 6 "	GBL	1.00				
6.09.03E	Novafort pvc Pipe 8"	GBL	1.00				
6.09.04E	Accessories pvc Novafort 8"	GBL	1.00				
6.09.05E	Grass Trap	GBL	1.00				
6.09.06E	Concrete ditch with steel grille in 1/2"	GBL	1.00				
6.09.07E	Inspection Boxes 80x80	GBL	1.00				
6.10	TREATMENT SYSTEM OF SEPTIC TANK					\$ 0.00	
6.10.01E	5 cms Sand bed	GBL	1.00				
6.10.02E	Coarse gravel Filter 2 1/2 "	GBL	1.00				
6.10.03E	Brick manhole (includes cap sheet type alfajor)	GBL	1.00				
6.10.04E	Supply and installation of complete septic tanks in reinforced polyester, includes one 10000 liters tank with false bottom and lids. (septic tank, anaerobic tank and grease trap)	GBL	1.00				
6.10.05E	Supply and installation accessories 2 "and 4" (13 units per system)	GBL	1.00				
6.10.06E	Supply and installation sanitary pvc pipe 2 "	GBL	1.00				
6.10.07E	Supply and installation sanitary pvc pipe 4 "rabbeted	GBL	1.00				
6.10.08E	Inspection boxes 0,40x0, 40 in concrete with reinforced cover	GBL	1.00				
6.10.09E	Distribution boxes 1.20 x1, 20 in concrete with reinforced cover	GBL	1.00				
6.11	STORM DRAINAGE SYSTEM					\$ 0.00	
6.11.01E	Novafort pvc Pipe 6 "	GBL	1.00				
6.11.02E	Accessories Pvc Novafort 6 "	GBL	1.00				
6.11.03E	Pvc pipe Novafort 8 "	GBL	1.00				
6.11.04E	Accessories pvc Novafort 8 "	GBL	1.00				
6.11.05E	Inspection boxes 80x80	GBL	1.00				
6.12	STORM DRAINAGE SYSTEM ROOF					\$ 0.00	
6.12.01E	Pvc Pipe 4 "	GBL	1.00				
6.23.02E	Accessories pvc 4 "	GBL	1.00				
6.23.03E	Traps and / or elbow 4 "	GBL	1.00				
6.13	MAIN CONNECTION TO WATER EXISTING NETWORK					\$ 0.00	
6.25.01E	Pvc pipe 1 to 1/2 "	GBL	1.00				
6.25.02E	Pvc Accessories 1-1/2 "	GBL	1.00				
6.25.03E	Butterfly Valve type Wafer 1-1/2 "	GBL	1.00				
6.25.04E	Pvc Flange 2 "	GBL	1.00				
6.25.05E	Universal HG 3/4 "	GBL	1.00				
6.25.06E	Mechanical ball cock with check valve and accessories. 3/4 "	GBL	1.00				
6.25.07E	Reinforced polyester tank of 15000 liters (includes ballast, camera enhancement in brick manhole, valve boxes and lids in Alfajor sheet)	GBL	1.00				
6.14	PRESSURE EQUIPMENT					\$ 0.00	
6.14.01E	Supply of Hydro-pneumatic equipment, includes two 6 HP pumps, galvanized steel valves, pipe and accessories for connection.	GBL	1.00				
6.15	GENERAL NETWORK FOR COLD WATER					\$ 0.00	
6.15.01E	Pvc pipe 1 1/2 "	GBL	1.00				
6.15.02E	Pvc Accessories 1-1/2 "	GBL	1.00				
6.15.03E	Ball Valve 1-1/2 "(Includes box and cover sheet type alfajor)	GBL	1.00				

6.16	AF SUPPLY NETWORK					\$ 0.00	
6.16.01E	Pvc Pipe 1/2 "	GBL	1.00				
6.16.02E	Accessories Pvc Pipe 1/2 "	GBL	1.00				
6.16.04E	Hose bibb valve, with hose threads 1/2 "	GBL	1.00				
6.17	PRE-OPERATION SYSTEM					\$ 0.00	
6.17.01E	Hydrostatic Testing	GBL	1.00				
6.17.02E	Disinfection according to specifications	GBL	1.00				
6.17.03E	Washing according to specifications.	GBL	1.00				
6.17.04E	As-built drawings according to specifications.	GBL	1.00				
6.17.05E	Operation and maintenance manual and training for final user	GBL	1.00				
6.18	EARTHWORKS					\$ 0.00	
6.18.01E	Excavation in common material	GBL	1.00				
6.18.02E	Classified filling material	GBL	1.00				
6.18.03E	B200 Filling material	GBL	1.00				
6.18.04E	Common filling material	GBL	1.00				
6.18.05E	Excess disposal	GBL	1.00				
6.18.06E	Sand of rock	GBL	1.00				
7	ELECTRICAL AND TELECOMMUNICATIONS						\$ 0.00
7.01	LIGHTING AND TOMAS					\$ 0.00	
7.01.01	Cabling MTAWG No. 2, XLPE 133%	GBL	1.00				
7.01.02	Labor (Supervisor and two technicians)	GBL	1.00				
7.02	BOARDS					\$ 0.00	
7.02.01	Fuse 25A, HH	GBL	1.00				
7.02.02	Fuse support X 3	GBL	1.00				
7.02.03	Pole Installation Accessories	GBL	1.00				
7.02.04	Labor (Supervisor and two technicians)	GBL	1.00				
7.03	LIGHTNING IN MT SYSTEM					\$ 0.00	
7.03.01	Lightning 15KV, 5kA LA228	GBL	1.00				
7.03.02	Galvanized piping 3/4 inch	GBL	1.00				
7.03.03	Galvanized piping 2 inch	GBL	1.00				
7.03.04	Grounding line in copper wire AWG # 2	GBL	1.00				
7.03.05	Grounding rod, copper 2.4m, 5/8 and fixture ground wire	GBL	1.00				
7.03.06	Labor (Supervisor and two technicians)	GBL	1.00				
7.04	MV METALLIC HOLDER, DIAGONALS AND FIXING ACCESSORIES FOR POSTS					\$ 0.00	
7.04.01	Accessories LA, brackets, crossarms, galvanized tape, insulators	GBL	1.00				
7.04.02	Labor (Supervisor and two technicians)	GBL	1.00				
7.05	MV RETENTION CLAMPS					\$ 0.00	
7.05.01	Retaining clips	GBL	1.00				
7.05.02	Labor (Supervisor and two technicians)	GBL	1.00				
7.06	MV POLE					\$ 0.00	
7.06.01	Concrete pole H=12m, 750kg	GBL	1.00				
7.06.02	Installation and transportation	GBL	1.00				

7.07	MV METALLIC RACEWAY IN POLE					\$ 0.00	
7.07,01	Duct 4 inch galvanized	GBL	1.00				
7.07,02	Terminals and Adaptors from PVC to galvanized	GBL	1.00				
7.07,03	3M labels for piping according to RETIE	GBL	1.00				
7.07,04	Labor (Supervisor and two technicians)	GBL	1.00				
7.08	MV UNDERGROUND RACEWAY					\$ 0.00	
7.08,01	Excavation, backfill, compaction, transport and debris removal 0.6mX0, 6mX20m	GBL	1.00				
7.08,02	Corrugated Duct 4 inch PVC DB	GBL	1.00				
7.08,03	Labels 3M pipe according to RETIE	GBL	1.00				
7.08,04	Terminals and Adapters	GBL	1.00				
7.08,05	Labor (workers)	GBL	1.00				
7.09	JUNCTION BOXES FOR MV DISTRIBUTION					\$ 0.00	
7.09,01	Construction of junction box type CS 275	GBL	1.00				
7.10	CONCRETE PAD					\$ 0.00	
7.10,01	2.5mX2.5m concrete pad in 3000 psi	GBL	1.00				
7.10,02	Labor (workers)	GBL	1.00				
7.11	MV/LV SUBSTATION- PAD MOUNTED					\$ 0.00	
7.11,01	Substation of 225KVA	GBL	1.00				
1.11,02	Labor (Supervisor and two technicians)	GBL	1.00				
7.12	LOW VOLTAGE (LV) CIRCUIT BRANCHES FROM SUB-STATION TO GENERAL PANEL BOARD					\$ 0.00	
7.12,01	THHN/THWN 2(4X350MCM).	GBL	1.00				
7.12,02	THHN/THWN 2(TXNo.4/0).	GBL	1.00				
7.12,03	Labor (Supervisor and two technicians)	GBL	1.00				
7.13	LV UNDERGROUND RACEWAY					\$ 0.00	
7.13,01	Excavation, backfill, compaction, transport and debris removal 0.6mX0, 6mX30m	GBL	1.00				
7.13,02	Corrugated Duct 4 inch PVC DB	GBL	1.00				
7.13,03	Labels 3M pipe according to RETIE	GBL	1.00				
7.13,04	Terminals and Adapters	GBL	1.00				
7.13,05	Labor (workers)	GBL	1.00				
7.14	LV JUNCTION BOXES FOR MAIN CIRCUIT BRANCH					\$ 0.00	
7.14,01	Construcción caja de paso CS274	GBL	1.00				
7.15	LV ENCLOSURE FOR POWER METER					\$ 0.00	
7.15,01	Metal enclosure, 80cmX80cmX30cm weather type, inspection window and doors, size BGW # 14	GBL	1.00				
7.15,02	Measuring equipment in accordance with regulations of Electro Caribbean and the Naval Academy	GBL	1.00				
7.15,03	Labor (Supervisor and two technicians)	GBL	1.00				
7.16	LV GENERAL PANEL BOARD					\$ 0.00	
7.16,01	Metal enclosure 80cmX40cmX180cm	GBL	1.00				
7.16,02	Electrical Board for 36 circuits, 1000A and thermomagnetic protection of 3X600A	GBL	1.00				
7.16,03	TVSS class C 200 KA, Three-phase type	GBL	1.00				
7.16,04	Power analyzer PM820 or equivalent	GBL	1.00				
7.16,05	Labor (Supervisor and two technicians)	GBL	1.00				

7.17	LV DISTRIBUTION PANEL BOARDS					\$ 0.00	
7,17,01	24 circuits, three-phase space, protection 3X20A	GBL	1.00				
7,17,02	24 circuits, three-phase space, protection 3X50A	GBL	1.00				
7,17,03	24 circuits, three-phase space, protection 3X250A	GBL	1.00				
7,17,04	24 circuits, three-phase space, protection 3X200A	GBL	1.00				
7,17,05	24 circuits, three-phase space, protection 3X70A	GBL	1.00				
7,17,06	TVSS Class B, 120KA, Three-phase	GBL	1.00				
7,17,07	Labor (Supervisor and two technicians)	GBL	1.00				
7.18	LV SECONDARY CABLING					\$ 0.00	
7,18,01	THHN/THWN AWG 4x8 + 1x10	GBL	1.00				
7,18,02	THHN/THWN AWG 4x8 + 1x10	GBL	1.00				
7,18,03	THHN/THWN AWG 4x8 + 1x10	GBL	1.00				
7,18,04	THHN/THWN AWG 4x6 + 1x8	GBL	1.00				
7,18,05	THHN/THWN AWG 4x4 + 1x6	GBL	1.00				
7,18,06	THHN/THWN AWG 4x6 + 1x8	GBL	1.00				
7,18,07	THHN/THWN AWG 4x6 + 1x8	GBL	1.00				
7,18,08	2 X (THHN/THWN AWG 4 X 1/0 + 1x2)	GBL	1.00				
7,18,09	2 X (THHN/THWN AWG 4 X 1/0 + 1x2)	GBL	1.00				
7,18,10	THHN THWN No 8	GBL	1.00				
7,18,11	Labor (Supervisor and two technicians)	GBL	1.00				
7.19	LV SECONDARY RACEWAY SYSTEM					\$ 0.00	
7,19,01	1 inch EMT conduit	GBL	1.00				
7,19,02	Ladder cable tray with lid 60cmX20cm	GBL	1.00				
7,19,03	Metal conduit 12cmX5cm	GBL	1.00				
7,19,04	Labor (Supervisor and two technicians)	GBL	1.00				
7.20	SINGLE-PHASE DUPLEX RECEPTACLE 120VAC					\$ 0.00	
7,20,01	Single-phase duplex receptacle 120VAC duplex, isolated grounding	GBL	1.00				
7,20,02	THHN/THNW 3XNo. 12	GBL	1.00				
7,20,03	Piping EMT 3/4 inch	GBL	1.00				
7,20,04	Labor (Supervisor and two technicians)	GBL	1.00				
7.21	THREE-PHASE RECEPTACLE (208VAC/30A)					\$ 0.00	
7,21,01	Three-phase receptacle 208VAC/30A	GBL	1.00				
7,21,02	THHN/THNW 4XNo. 10	GBL	1.00				
7,21,03	Labor (Supervisor and two technicians)	GBL	1.00				
7.22	SINGLE RECEPTACLE					\$ 0.00	
7,22,01	Single receptacle 120VAC, 15A only for lamps	GBL	1.00				
7,22,02	THHN/THNW 3XNo. 12	GBL	1.00				
7,22,03	Labor (Supervisor and two technicians)	GBL	1.00				
7.23	FLUORESCENT LAMPS 4X17, T8					\$ 0.00	
7,23,01	Fluorescent lamps 4X17, T8 according to specifications	GBL	1.00				
7,23,02	THHN/THNW 3XNo. 12	GBL	1.00				
7,23,03	Labor (Supervisor and two technicians)	GBL	1.00				
7,23,04	Toggle switch	GBL	1.00				
7.24	ENERGY-SAVING LAMPS					\$ 0.00	
7,24,01	Energy-Saving Lamps 2X26W, socket E27	GBL	1.00				
7,24,02	THHN/THNW 3XNo. 12	GBL	1.00				
7,24,03	Labor (Supervisor and two technicians)	GBL	1.00				
7,24,04	Toggle switch	GBL	1.00				

7.25	DIMMING FLUORESCENT LAMPS 4X17, T5					\$ 0.00	
7.25,01	Dimming Fluorescent lamps 4X17, T5 according to specifications (control wiring included)	GBL	1.00				
7.25,02	THHN/THNW 3XNo. 12	GBL	1.00				
7.25,03	Labor (Supervisor and two technicians)	GBL	1.00				
7.25,04	Lighting control panel	GBL	1.00				
7.26	FLUORESCENT LAMPS 2X32W, T8					\$ 0.00	
7.26,01	Fluorescent lamps 2X32W, T8 according to specifications	GBL	1.00				
7.26,02	THHN/THNW 3XNo. 12	GBL	1.00				
7.26,03	Labor (Supervisor and two technicians)	GBL	1.00				
7.26,04	Toggle switch	GBL	1.00				
7.27	EMERGENCY LAMPS					\$ 0.00	
7.27,01	Emergency lamps, dual reflector, 60W, 120 VAC	GBL	1.00				
7.27,02	THHN/THNW 3XNo. 12	GBL	1.00				
7.27,03	Labor (Supervisor and two technicians)	GBL	1.00				
7.27,04	Single receptacle 120VAC, 15A	GBL	1.00				
7.28	GROUNDING SYSTEM					\$ 0.00	
7.28,01	Grounding line AWG 4/0 copper	GBL	1.00				
7.28,02	Grounding inspection boxes	GBL	1.00				
7.28,03	Electrode copper 99% 2.4m, 5/8 and exothermic welding	GBL	1.00				
7.29	LIGHTNING PROTECTION					\$ 0.00	
7.29,01	Electrode, copper 99.9%, Franklin type, 5/8	GBL	1.00				
7.29,02	Grounding line AWG # 1/0	GBL	1.00				
7.30	Air conditioning system					\$ 0.00	
7.30,01	Supply and installation A/C12KBU two- phase includes installation	GBL	1.00				
7.30,02	Supply and installation A/C24KBU two- phase includes installation	GBL	1.00				
7.30,03	Supply and installation A/C36KBU two- phase includes installation	GBL	1.00				
7.30,04	Supply and installation A/C48KBU two- phase includes installation	GBL	1.00				
7.30,05	Preventive maintenance AC System	GBL	1.00				
7.30,06	Air Extractor (Only for Restrooms)	GBL	1.00				
8.00	STRUCTURED WIRING SYSTEM						\$ 0.00
8.01	DATA DROPS CAT 6A					\$ 0.00	
8.01,01	Data drops CAT 6A according to specifications	GBL	1.00				
8.01,02	CAT 6A Cabling UTPO	GBL	1.00				
8.01,03	Administration board	GBL	1.00				
8.01,04	Patch Cords 5 feet	GBL	1.00				
8.01,05	Patch Cords 7 feet	GBL	1.00				
8.01,06	Marking, labeling and rings	GBL	1.00				
8.01,07	Labor (Supervisor and two technicians)	GBL	1.00				
8.02	COMMUNICATIONS CABINETS					\$ 0.00	
8.02,01	Telecommunication closet (TC) according to specifications	GBL	1.00				
8.02,02	UPS 3KVA	GBL	1.00				
8.02,03	TVSS Class a Multitake 12kA	GBL	1.00				
8.02,04	Internetworking device	GBL	1.00				
8.02,05	Wireless Router	GBL	1.00				

8.03	FIRE ALARM SYSTEM					\$ 0.00	
8.03.01	Control Panel Center according to specifications	GBL	1.00				
8.03.02	Photo detectors and alarm devices according to specifications	GBL	1.00				
8.03.03	Manual stations and stroboscope light	GBL	1.00				
8.03.04	EMT piping 3/4 inch	GBL	1.00				
8.03.05	Safety signs/icons and banners	GBL	1.00				
8.03.06	10 pounds extinguishers type ABC	GBL	1.00				
8.03.07	Emergency lights	GBL	1.00				
9.00	PLASTERING AND PAINTING						\$ 0.00
9.01	PLASTERING ON WALLS					\$ 0.00	
9.01.01E	Outdoor Weatherproof plaster smooth, mortar M: 1:4 includes edges and joints (According Architectural Design)	GBL	1.00				
9.01.02E	Smooth plaster waterproofed for exterior beams, mortar M: 1:4 includes edges and joints	GBL	1.00				
9.01.0E3	Indoor smoth plaster, mortar M: 1:4 includes edges and joints	GBL	1.00				
9.01.04E	Indoor smoth plaster, mortar M: 1:4 includes edges and joints	GBL	1.00				
9.01.05E	Indoor smoth plaster, mortar M: 1:4 includes edges and joints for ceramic tiles	GBL	1.00				
9.02	PAINTING					\$ 0.00	
9.02.01E	Stucco and vinyl 3 coats on plaster for interior walls (including edges and joints)	GBL	1.00				
9.02.02E	Exterior painting type KORAZA on plasters(Includes edges and joints)	GBL	1.00				
10.00	FLOORS						\$ 0.00
10.01	BASES AND LEVELINGS					\$ 0.00	
10.01.01E	Plastering for sink with slope in mortar 1:4, e = 2 cm	GBL	1.00				
10.01.02E	1:4 leveling mortar T= 0.03 cm	GBL	1.00				
10.01.03E	Leveling smooth concrete , Fc= 4000 psi for laboratories floor	GBL	1.00				
10.02	FLOORS					\$ 0.00	
10.02.01E	Supply and installation of beige sealed porcelain tile floor of 0.60 x 0.60 m, Corona type or equivalent.	GBL	1.00				
10.02.02E	Supply and installation of black floor type Pizarra of 0.45 m x 0.45 m for bathrooms	GBL	1.00				
10.02.03E	Washed gravel doorknob	GBL	1.00				
10.03	BASE BOARD					\$ 0.00	
10.03.01E	Base board in porcelain beige H: 10cm	GBL	1.00				
11.00	ROOFING AND WATERPROOFING						\$ 0.00
11.01	WATERPROOFING AND INSULATION					\$ 0.00	
11.01.01E	Waterproof mortar finish 1:4 for chanel beam	GBL	1.00				
11.02	LIGHT ROOF					\$ 0.00	
11.02.01E	Roofing type sandwich, 28m gauge galvanized steel thickness 30 mm, injected with high density polyurethane foam, type Ajover or equivalent type, white inside and blue outside color, including installation and accessories for its proper functioning, and ridge cap	GBL	1.00				
11.02.02E	Supply and installation of flanche in 18 gauge galvanized development 0.40m	GBL	1.00				
11.04	ACRYLIC AND / OR POLYCARBONATE ROOF					\$ 0.00	
11.04.01E	Supply and instasllation of polycarbonate tiles T=6mm colored glass (Includes structure metallic and accessories required for proper Installation)	GBL	1.00				

12.00	METAL CARPENTRY						\$ 0.00
12.01	SUPPLY AND INSTALLATION OF METAL DOORS					\$ 0.00	
12.01.01E	Supply and installation of door type P1, in aluminum, natural color according to drawings and specifications. Including frame, 4mm float clear glass and accessories for proper installation.	GBL	1.00				
12.01.02E	Supply and installation of door type P2, in aluminum, natural color according to drawings and specifications. Including frame, side windows, 4mm float clear glass and accessories for proper installation.	GBL	1.00				
12.01.03E	Supply and installation of door type P3, in aluminum, natural color according to drawings and specifications. Including frame, side windows, 4mm float clear glass and accessories for proper installation.	GBL	1.00				
12.01.04E	Supply and installation of door type P4, in aluminum, natural color according to drawings and specifications. Including frame, side windows, 4mm float clear glass and accessories for proper installation.	GBL	1.00				
12.01.04E	Supply and installation of door type P5, in aluminum, natural color according to drawings and specifications. Including frame and accessories for proper installation.	GBL	1.00				
12.01.04E	Supply and installation of door type P6, in aluminum, natural color according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.01.04E	Supply and installation of door type P7, in aluminum, natural color according to drawings and specifications. Including frame and accessories for proper installation.	GBL	1.00				
12.02	RAILINGS AND HANDRAILS					\$ 0.00	
12.02.01E	Supply and installation of aluminum railings with 2" pipe, anchor plate, and anchors.	GBL	1.00				
12.03	SUPPLY AND INSTALLATION OF WINDOW					\$ 0.00	
12.03.01E	Supply and installation of Window type V1, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.02E	Supply and installation of Window type V2, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.03E	Supply and installation of Window type V3, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.04E	Supply and installation of Window type V4, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.05E	Supply and installation of Window type V5, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.06E	Supply and installation of Window type V6, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.07E	Supply and installation of Window type V7, natural aluminum, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.08E	Supply and installation of Window type V8, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.09E	Supply and installation of Window type V9, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.10E	Supply and installation of Window type V10, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.11E	Supply and installation of Window type V11, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.12E	Supply and installation of Window type V12, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.13E	Supply and installation of Window type V13, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12.03.14E	Supply and installation of Window type V14, natural aluminum, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				

12,03,15E	Supply and installation of Window type V15, natural aluminum with 4mm float clear glass, according to drawings and specifications, including frame and accessories for proper installation.	GBL	1.00				
12,03,15E	Supply and installation of Window type V16 (Overhaed coiling window) , galvanized steel according to drawings including rails, lock and accessories for proper installation.	GBL	1.00				
12.04	SUPPLY AND INSTALLATION OF BLIND					\$ 0.00	
12,04,01E	VP 1 in aluminum natural color as design.	GBL	1.00				
12,04,02E	VP 2 aluminum natural color as design.	GBL	1.00				
12.05	BATHROOM DIVISION					\$ 0.00	
12,05,01E	Partitions colorless aluminum for bathrooms	GBL	1.00				
13.00	WOOD CARPENTRY						\$ 0.00
13.01	DOORS AND FRAMES					\$ 0.00	
13,01,01E	Supply and installation of door type P8, in cedarwood with joints, protector for lock and exposed steel surface according to drawings and specifications include frame and accessories for proper installation.	GBL	1.00				
13,01,02E	Supply and installation of door type P9, in cedarwood with joints, protector for lock and exposed steel surface according to drawings and specifications include frame and accessories for proper installation.	GBL	1.00				
13,01,03E	Supply and installation of double door type P10, in cedarwood with joints, protector for lock and exposed steel surface according to drawings and specifications include frame and accessories for proper installation.	GBL	1.00				
13,01,03E	Supply and installation of sliding double door type P11, in cedarwood with joints, protector for lock and exposed steel surface according to drawings and specifications include frame and accessories for proper installation.	GBL	1.00				
13,01,04E	Supply and installation of door type P12, in cedarwood with joints, protector for lock and exposed steel surface according to drawings and specifications include frame and accessories for proper installation.	GBL	1.00				
13,01,05E	Supply and installation of door type P13, in cedarwood with joints, protector for lock and exposed steel surface according to drawings and specifications include frame and accessories for proper installation.	GBL	1.00				
13,01,06E	Supply and installation of double door type P14, in cedarwood with joints, protector for lock and exposed steel surface according to drawings and specifications include frame and accessories for proper installation.	GBL	1.00				
13.02	SCHOOL FURNITURE					\$ 0.00	
13,02,01E	Furniture for control room	GBL	1.00				
13.03	VARIOUS SCHOOL					\$ 0.00	
13,03,01E	Supply and installation of Low furniture and wall cabinet cafeteria 2.1 mts	GBL	1.00				
14.00	CERAMIC TILES						\$ 0.00
14.01	CERAMIC TILES					\$ 0.00	
14,01,01E	Ceramic tile for bathrooms bright white ceramic 25 x 40 cm ref. Mont Blanc or equivalent	GBL	1.00				
14,01,02E	Sink counter in Polished Granite 60 cm, includes dash and skirt	GBL	1.00				
14,01,03E	Cafeteria counter in Polished Granite Veneer 60 cm, includes dash and skirt	GBL	1.00				
14,01,04E	Concrete counters depth of 0.60 m	GBL	1.00				
14.02	VARIOUS SCHOOL					\$ 0.00	
14,02,01E	Cleaning sink	GBL	1.00				

15.00	SANITARY EQUIPMENT AND ACCESSORIES						\$ 0.00
15.01	SANITARY DEVICES					\$ 0.00	
15,01,01E	Supply and installation of San Giorgio Dual toilet or equivalent, white color, round and dual flush (4 liters and 6 liters and include Fittings)	GBL	1.00				
15,01,02E	Supply and installation of washbasin type Corona, ref. marsella or equivalent, white color for superimpose	GBL	1.00				
15,01,03E	Supply and installation of washbasin with pedestal white color, type Avanti or equivalent	GBL	1.00				
15,01,04E	Supply and installation of big Urinal white color, type Corona or equivalent (Include Fittings)	GBL	1.00				
15.02	BATHROOM FITTINGS					\$ 0.00	
15,02,01E	Supply and installation of taps, faucets chrome metal ref 146689 fenix grival line or equivalent	GBL	1.00				
15,02,02E	Hose bibb valve, with hose threads type Grival or equivalent	GBL	1.00				
15,02,03E	Fittings for dishwasher chrome color, type Epica or equivalent	GBL	1.00				
15.03	MIRRORS					\$ 0.00	
15,03,01E	Supply and installation 4mm glass mirrors. shined and polished edges without bevel, separated from the wall 2 cms	GBL	1.00				
15.04	ACCESSORIES					\$ 0.00	
15,04,02E	Supply and installation of Soap dispenser in stainless steel 1,2 liters	GBL	1.00				
15,04,03E	Supply and installation cabinet for paper towels dispenser in stainless steel	GBL	1.00				
15,04,04E	Supply and installation of toilet tissue dispenser, chrome metal type Corona, ref. ISIS or equivalent	GBL	1.00				
15,04,05E	Supply and installation soap holder, chrome metal type Corona Isis, ref. IS6080001 or Equivlanete	GBL	1.00				
15,04,06E	Towel rod type Corona ISIS, Ref.IS6010001 or Equivalent	GBL	1.00				
16.00	CEILINGS AND PARTITIONS					\$ 0.00	
16.01	DRYWALL CEILING					\$ 0.00	
16,01,01E	Drywall suspended ceiling without joint (Metal framing CI 26. Structure each 40 cms.) Includes three (3) coats of paint.	GBL	1.00				
16,01,02A	Superboard suspended ceiling without joint (Metal framing CI 26. Structure each 40 cms.) Includes three (3) coats of paint.(wet zones)	GBL	1.00				
17.00	LOCKS					\$ 0.00	
17.01	LOCKS DOORS					\$ 0.00	
17,01,01E	Lock with handle, chrome plated, type steelock or equivalent for classrooms, laboratories and offices	GBL	1.00				
17,01,02E	Lock with handle, chrome plated, type steelock or equivalent for bathrooms	GBL	1.00				
17,01,03E	Lock for main entrance type Monticello or equivalent with stainless steel handles, 3 steel pins, double cylinder and coded key.	GBL	1.00				
17,01,04E	Panic lock double, type mult-lock with manila	GBL	1.00				
18.00	CLEANLINESS AND OTHER					\$ 0.00	
18.01	CLEANING					\$ 0.00	
18,01,01E	Final cleaning for hand over	GBL	1.00				
19.00	EXTERIOR AREAS					\$ 0.00	
19.01	COURTYARDS AND SQUARES ACCESS					\$ 0.00	
19,01,01E	Supply and installation of 15 x 5 concrete curb, f'c=3000 psi	GBL	1.00				
19,01,02E	Supply and installation of 0.20 x 0.35x 0.80 concrete curb, ftype A-80	GBL	1.00				
19,01,03E	Supply, spread and compacting of filling material type SBG-1	GBL	1.00				
19,01,04A	Cement tile 40 x 40 cm gray stripes	GBL	1.00				

	VALUE DIRECT COSTS						\$ 0.00
	A.I.U. - VAT						\$ 0.00
	A . I . U						
	Administration	%					
	Letters of Credit and/or Bonds						
	Insurance						
	Indirect cost of tracking VAT payments and reimbursements						
	Legal or consultant subcontracts						
	Unforeseen	%					
	Profit	%					
	VAT(Over the profit total value)	%					
	TOTAL PROJECT(COLOMBIAN PESOS)						\$ 0.00
	PERFORMANCE TIME (in calendar days)						

DETAILED BIDDING CHART - Guide-

Item	Description	Unit	Quantity	Unit Price	Total Price
	These are examples of how to present this chart. Note this is a guide and just some few examples were included and are not referenced to this specific project.				
	Civil works				
	Excavations for piping	m3	35		
	Excavations for foundations	m3	150		
	Back fill for slab	m3	100		
	Plaster for walls	M ²	50		
	Electrical and Cabling works				
	110 Outlets	Un	20		
	Voice and data outlets	Un	14		
	Electrical channeling	MI	80		
	Furniture				
	Interlocutor Chairs	Un	18		
	Work stations 1.50	Un	18		
	Floor to ceiling panels	MI	60		
	DIRECT COST				
	Admin costs	%			
	Unforeseen				
	Profit	%			
	SUBTOTAL				
	Taxes IVA				
	TOTAL				